SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

November 9, 1983

MONTHLY SEISMIC CREW COUNT

(Month of October, 1983

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during October decreased by three. The October total (498) included a gain of four land crews but a decrease of seven vessels since September.

The October total (498) represents a decrease of less than 1% from last month, a 3% decrease from October, 1982, a 33% decrease from October, 1981, a 13% decrease from October, 1980, a 14% increase over October, 1979, a 34% increase over October, 1978, and a gain of 51% over the same month in 1977.

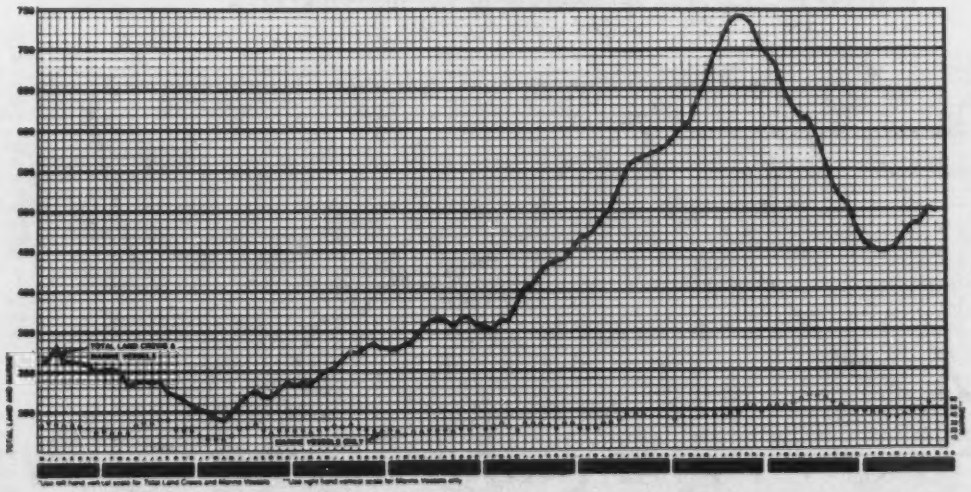
During October, four contractors were operating nine of the 410 land crews and three of the forty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Oct.'82	Oct.'81	Oct.'80	Oct.'79	Oct.'78	Oct.'77
	498	501	516	741	571	436	371	330

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Oct. 1982	Oct. 1981	Oct. 1980	Oct. 1979	Oct. 1978	Oct. 1977	This Mo.	Last Mo.	Oct. 1982	Oct. 1981	Oct. 1980	Oct. 1979	Oct. 1978	Oct. 1977
85 Contr's:	410	405	423	646	490	368	305	268	42	49	42	44	33	24	23	23
10 Oil Co's:	38	39	42	43	40	39	37	34	7	7	8	7	7	4	4	4
1 Gov't.:	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1
Totals:	448	444	465	689	530	407	342	302	50	57	51	52	41	29	29	28

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



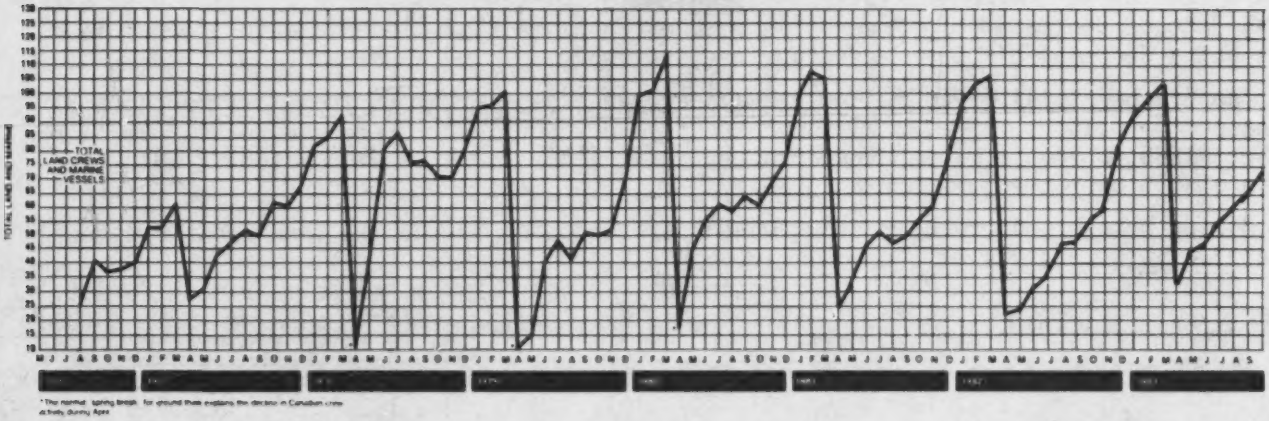
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

October, 1983 (September figures in parentheses)

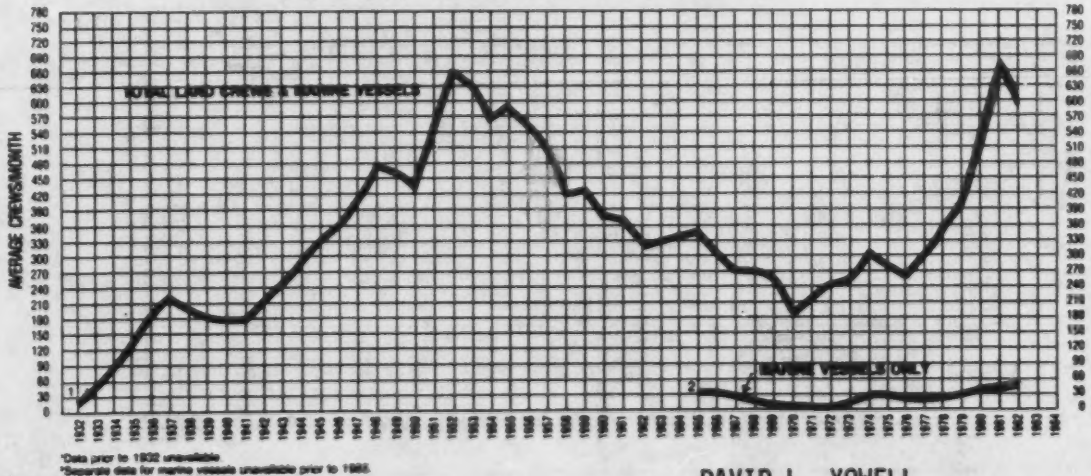
	Land Crews	Marine Vessels
26 Contractors:	66 (55)	5 (10)
2 Oil Companies:	3 (2)	0 (0)
Totals:	69 (57)	5 (10)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed in part by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



DAVID L. YOWELL
Assistant Executive Director

A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE December 6, 1983

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT (Month of November, 1983)

The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during November decreased by three from the October total. According to the Society of Exploration Geophysicists' latest monthly report, the November total, was 495, down one vessel and two land crews from October.

The November total (495) represents a decrease of less than 1% from last month, a 1% decrease from November, 1982, a 33% decrease from November, 1981, a 13% decrease from November, 1980, a 13% increase over November, 1979, a 34% increase over November 1978, and a gain of 48% over the same month in 1977.

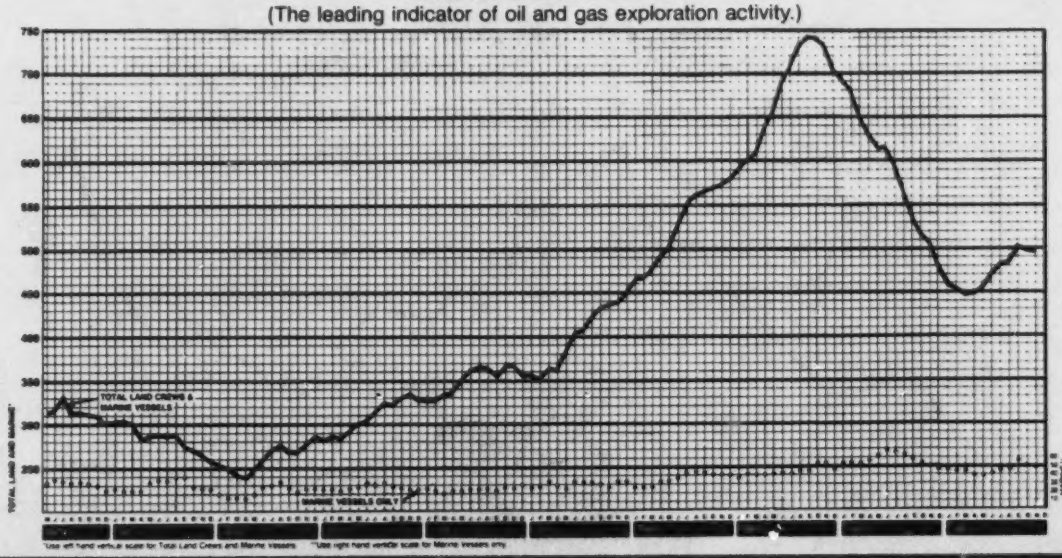
During November, seven contractors were operating nine of the 408 land crews and four of the forty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Nov.'82	Nov.'81	Nov.'80	Nov.'79	Nov.'78	Nov.'77
	495	498	502	733	572	439	369	335

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Nov. 1982	Nov. 1981	Nov. 1980	Nov. 1979	Nov. 1978	Nov. 1977	This Mo.	Last Mo.	Nov. 1982	Nov. 1981	Nov. 1980	Nov. 1979	Nov. 1978	Nov. 1977
83 Contr's:	408	410	410	638	491	369	304	274	42	42	42	45	33	25	22	21
10 Oil Co's:	38	38	42	43	40	39	38	35	7	7	7	7	7	4	5	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	1	1	0	1	2	0	0
Totals:	446	448	452	681	531	408	342	309	49	50	50	52	41	31	27	26

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

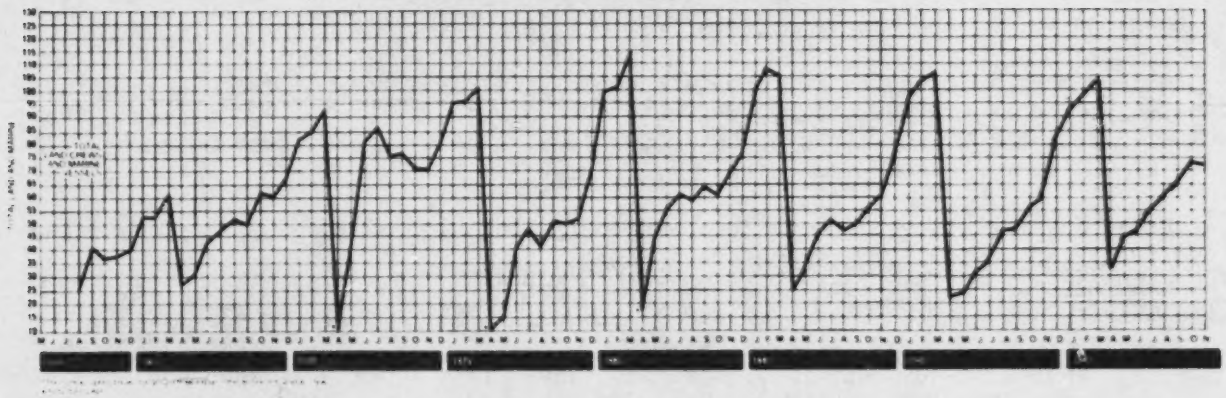
SEG Headquarters Office: Box 3098, Tulsa, Oklahoma 74101, Tel. (918) 743-1365

CANADIAN SEISMIC CREW COUNT

November, 1983 (October figures in parentheses)

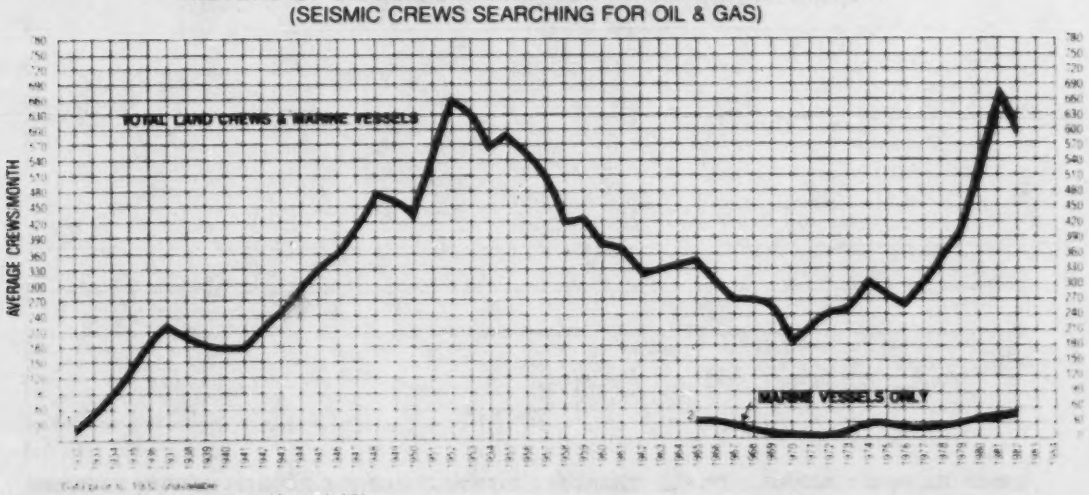
	Land Crews	Marine Vessels
25 Contractors:	67 (66)	3 (5)
2 Oil Companies:	3 (3)	0 (0)
Totals:	70 (69)	3 (5)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed in part by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



DAVID L. YOWELL
Assistant Executive Director

1/18/84
A 8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

January 10, 1984

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT

(Month of December, 1983)

According to the Society of Exploration Geophysicist's latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. during December was 496, compared with 495 in November. The December gain resulted from an increase of two vessels and a decrease of one land crew.

The December total (496) represents an increase of less than 1% over last month, a 4% increase over December, 1982, a 29% decrease from December, 1981, a 14% decrease from December, 1980, a 10% increase over December, 1979, a 39% increase over December, 1978, and a gain of 51% over the same month in 1977.

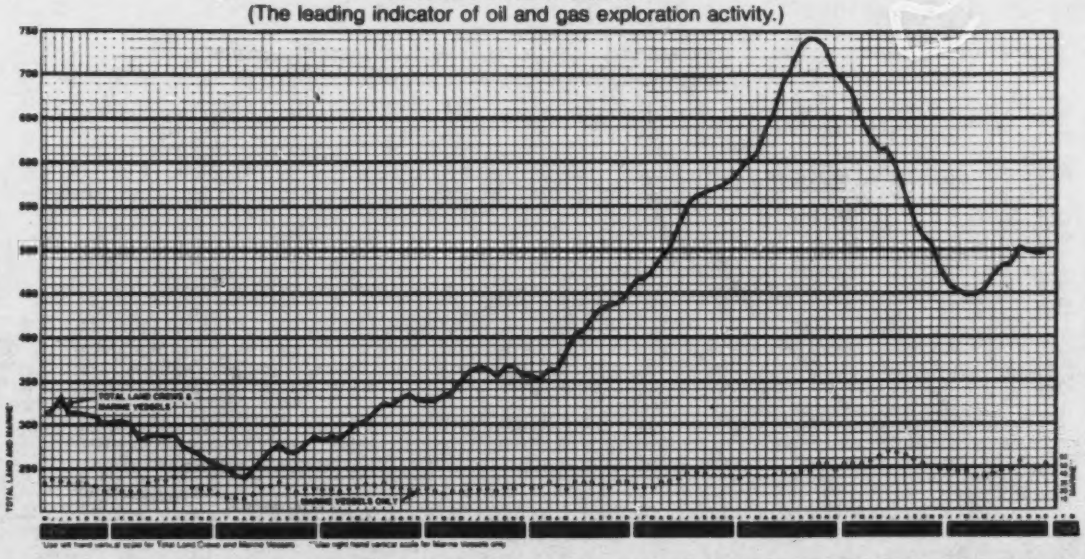
During December, six contractors were operating twelve of the 408 land crews and two of the forty-four vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Dec.'82	Dec.'81	Dec.'80	Dec.'79	Dec.'78	Dec.'77
	496	495	477	703	580	450	358	329

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Dec. 1982	Dec. 1981	Dec. 1980	Dec. 1979	Dec. 1978	Dec. 1977	This Mo.	Last Mo.	Dec. 1982	Dec. 1981	Dec. 1980	Dec. 1979	Dec. 1978	Dec. 1977
82 Contr's:	408	408	386	613	500	380	290	268	44	42	42	39	34	25	23	21
10 Oil Co's:	37	38	42	43	40	39	38	35	7	7	7	8	6	4	7	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Totals:	445	446	428	656	540	419	328	303	51	49	49	47	40	31	30	26

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



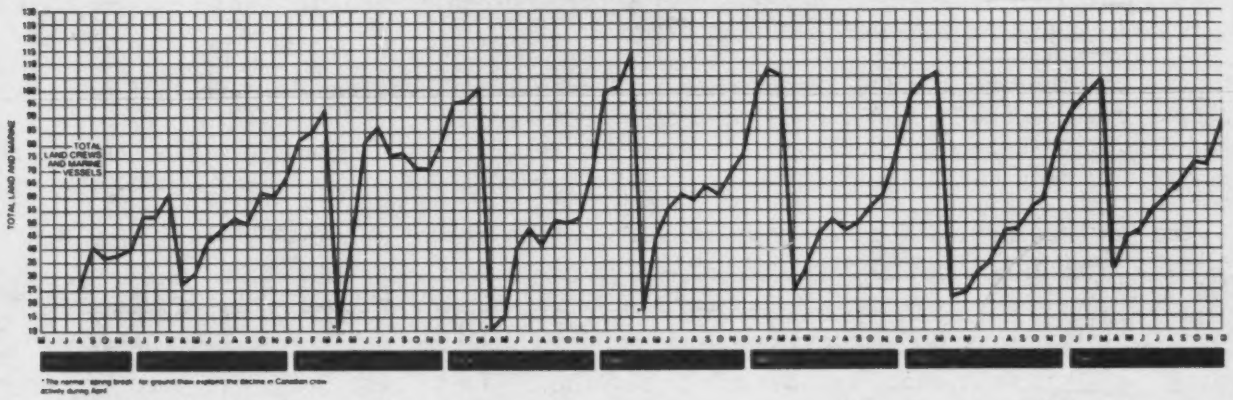
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

December, 1983 (November figures in parentheses)

	Land Crews	Marine Vessels
26 Contractors:	82 (67)	4 (3)
2 Oil Companies:	3 (3)	0 (0)
Totals:	85 (70)	4 (3)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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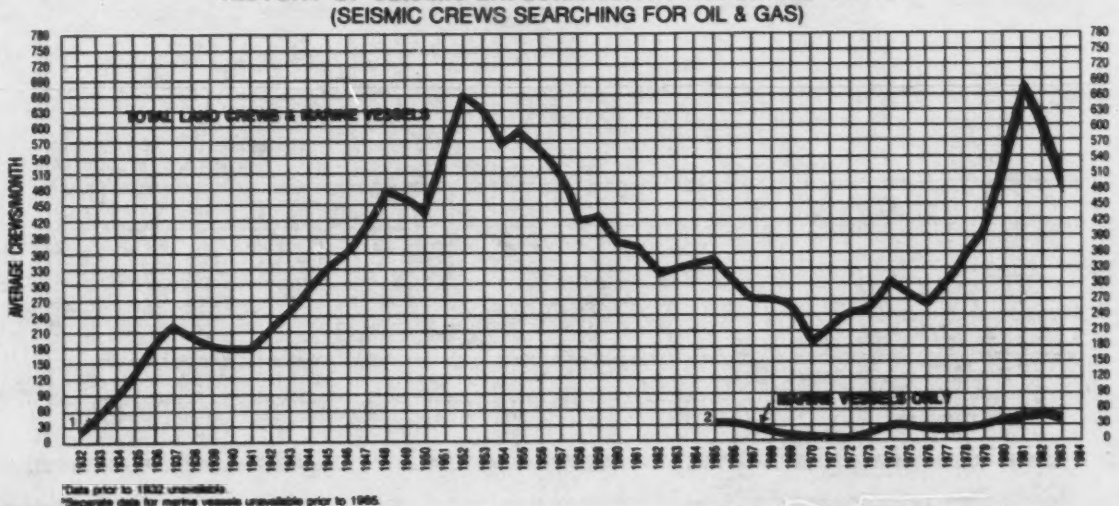
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



DAVID L. YOWELL
Assistant Executive Director

2/15/84
A8912-1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

February 7, 1984

MONTHLY SEISMIC CREW COUNT

(Month of January, 1984)

The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during January decreased by sixteen from the December total, according to the Society of Exploration Geophysicists' latest monthly report. (*The December total, originally reported as 496, has been adjusted downward to 493 due to the inclusion of three vessels which had been engaged in engineering surveys rather than oil and gas exploration.) A significant portion of the decline in the number of crews working during January was due to poor weather in several operating areas.

The January total (477) represents a decrease of 3% from last month, a 5% increase over January, 1983, a 31% decrease since January, 1980, a 20% decrease from January, 1981, a 2% increase over January, 1980, a 34% increase over January, 1979, and a gain of 45% over the same month in 1978.

During January, five contractors were operating fourteen of the 390 land crews and one of the forty-two vessels on a speculative basis.

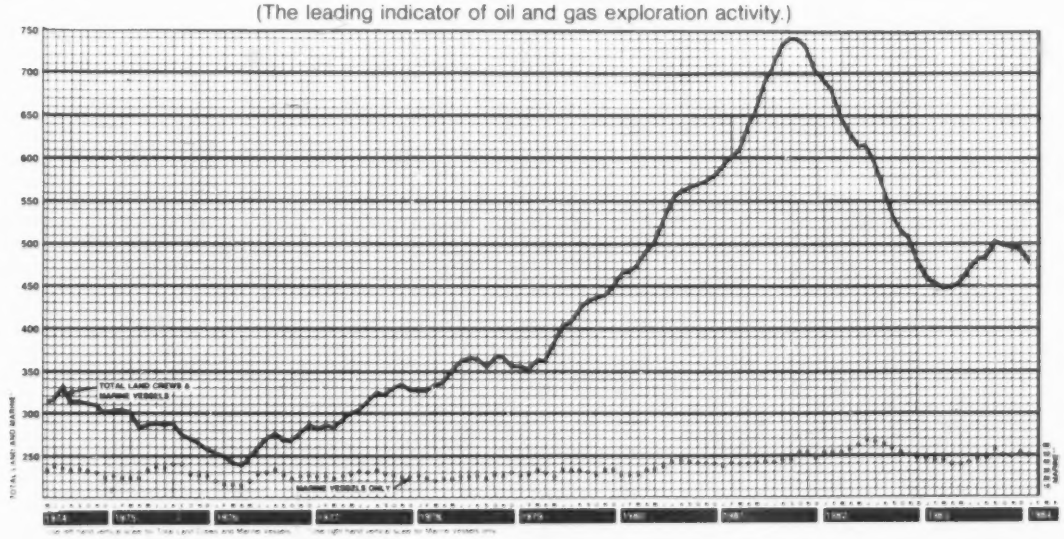
TOTAL LAND & MARINE CREWS:	This Month	Last Month	Jan.'83	Jan.'82	Jan.'81	Jan.'80	Jan.'79	Jan.'78
	477	493*	456	695	591	468	355	328

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Jan. 1983	Jan. 1982	Jan. 1981	Jan. 1980	Jan. 1979	Jan. 1978	This Mo.	Last Mo.	Jan. 1983	Jan. 1982	Jan. 1981	Jan. 1980	Jan. 1979	Jan. 1978
74 Contr's:	390	408	365	599	513	400	290	267	42	41*	42	46	32	24	21	20
10 Oil Co's:	37	37	42	43	40	39	37	35	8	7	7	7	6	5	7	6
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	427	445	407	642	553	439	327	302	50	48*	49	53	38	29	28	26

*Revised figures

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



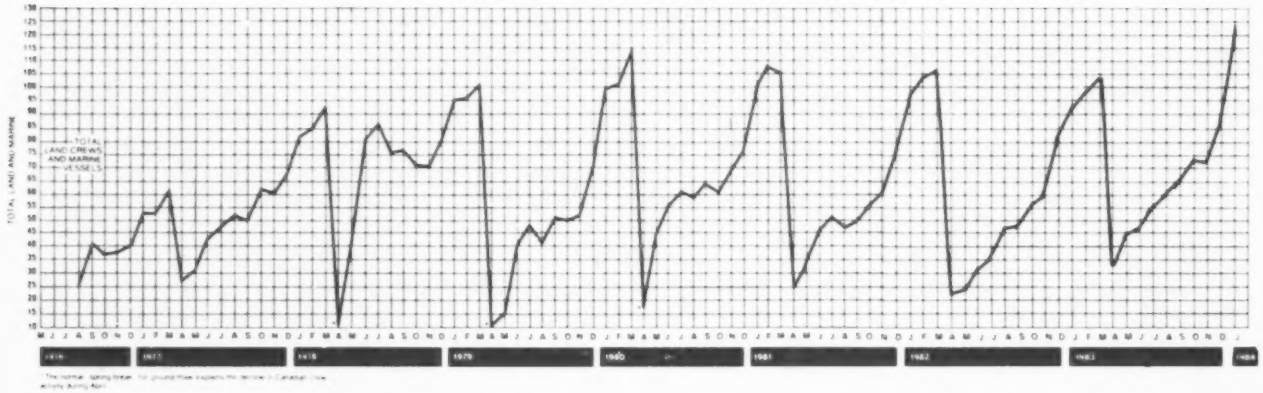
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

January, 1984 (December, 1983, figures in parentheses)

	Land Crews	Marine Vessels
31 Contractors:	118 (82)	2 (4)
2 Oil Companies:	3 (3)	0 (0)
Totals:	121 (85)	2 (4)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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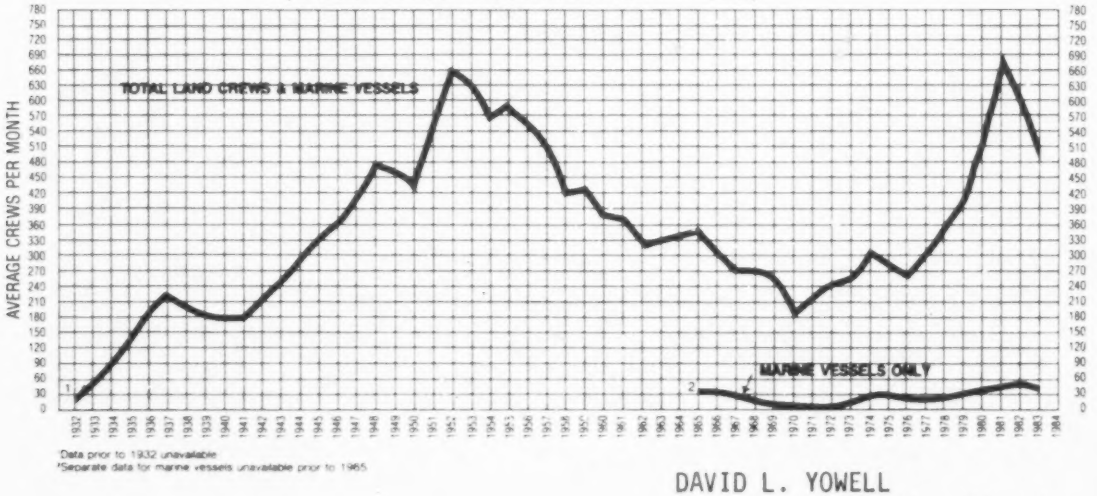
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)


AVERAGE CREWS PER MONTH
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
1
2
*Data prior to 1932 unavailable
*Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

3/20/84
A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE March 8, 1984

Contact: David L. Yowell
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MONTHLY SEISMIC CREW COUNT (Month of February, 1984)

The total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during February was 486, representing an increase of nine since the January report. However, it should be noted that the increase was due to the addition of nine land crews from seven contractors not previously included in the survey.

The February total (486) represents an increase of 2% over last month, an 8% increase over February, 1983, a 28% decrease since February, 1982, a 19% decrease since February, 1981, a 4% increase over February, 1980, a 39% increase over February, 1979, and a gain of 48% over the same month in 1978.

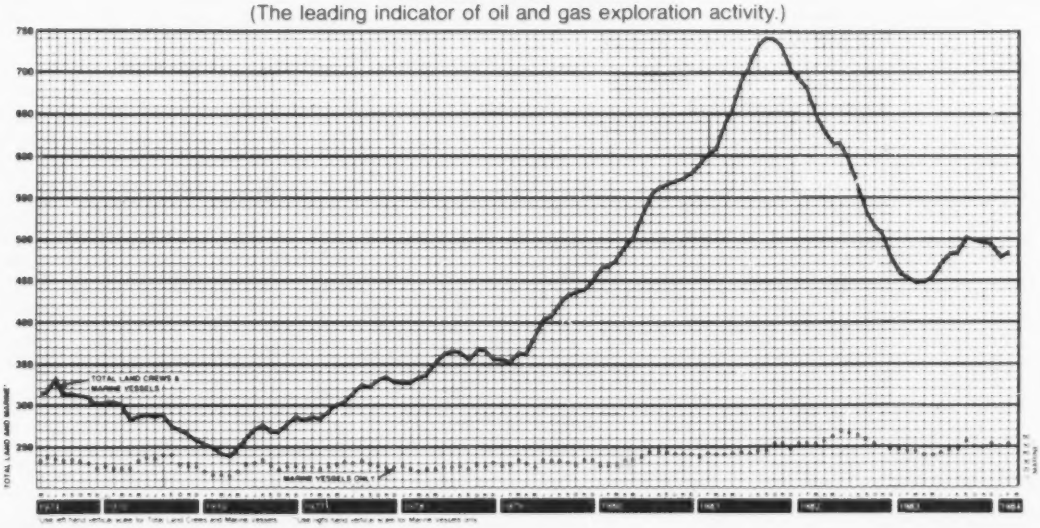
During February, six contractors were operating ten of the 396 land crews and one of the forty-five vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Feb.'83	Feb.'82	Feb.'81	Feb.'80	Feb.'79	Feb.'78
	486	477	451	678	602	469	350	328

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Feb. 1983	Feb. 1982	Feb. 1981	Feb. 1980	Feb. 1979	Feb. 1978	This Mo.	Last Mo.	Feb. 1983	Feb. 1982	Feb. 1981	Feb. 1980	Feb. 1979	Feb. 1978
85 Contr's:	396	390	362	582	520	401	284	270	45	42	40	46	34	24	22	18
10 Oil Co's:	37	37	42	43	41	39	37	35	8	8	7	7	7	5	7	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	433	427	404	625	561	440	321	305	53	50	47	53	41	29	29	23

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



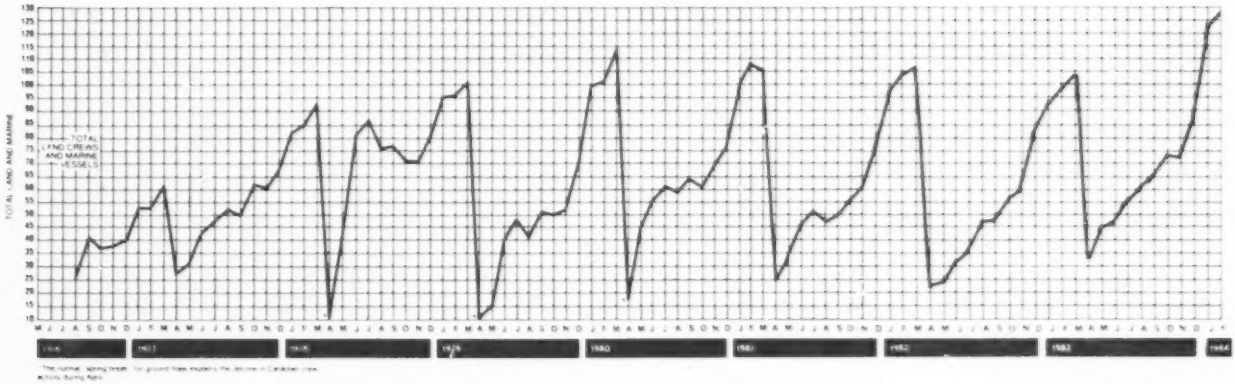
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

February, 1984 (January 1983, figures in parentheses)

	Land Crews	Marine Vessels
34 Contractors:	121 (118)	3 (2)
2 Oil Companies:	3 (3)	0 (0)
Totals:	124 (121)	3 (2)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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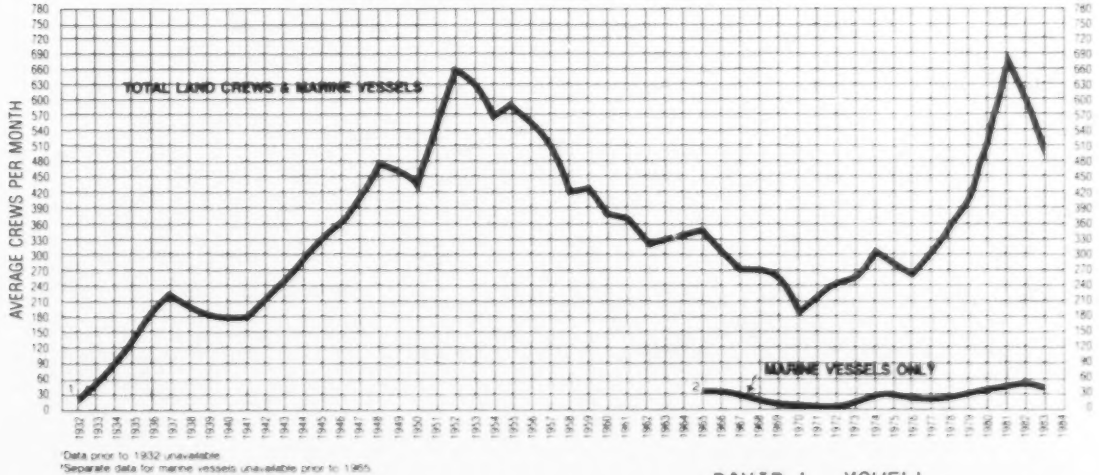
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



[1]Data prior to 1932 unavailable.
[2]Separate data for marine vessels unavailable prior to 1965.

DAVID L. YOWELL
Assistant Executive Director

4/13/84
A 8912 -1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE April 6, 1984

MONTHLY SEISMIC CREW COUNT (Month of March, 1984)

The total number of seismic land crews and marine vessels searching for oil and gas in in the U.S. and U.S. waters during March was 471, representing a decrease of fifteen from the February total, according to the Society of Exploration Geophysicists' latest monthly report. A significant portion of the decline in the number of crews working during March was due to poor weather in several operating areas.

The March total (471) represents a decrease of 3% from last month, a 5% increase over March, 1983, a 27% decrease from March, 1982, a 23% decrease from March, 1981, a 1% decrease from March, 1980, a 29% increase over March, 1979, and a gain of 41% over the same month in 1978.

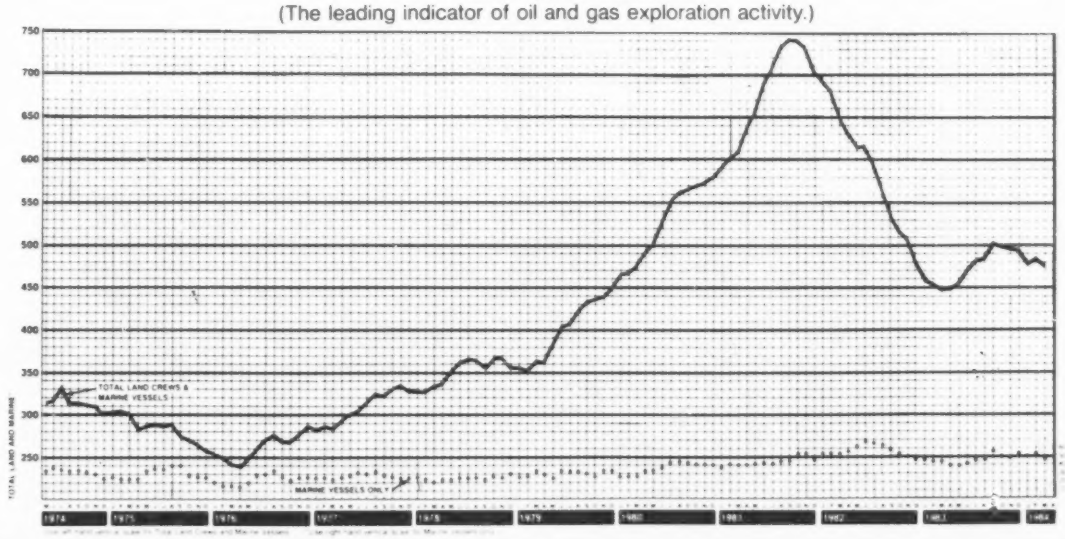
During March, nine contractors were operating sixteen of the 386 land crews and two of the thirty-nine vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 471	Last Month 486	Mar.'83 447	Mar.'82 649	Mar.'81 610	Mar.'80 477	Mar.'79 364	Mar.'78 334

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Mar. 1983	Mar. 1982	Mar. 1981	Mar. 1980	Mar. 1979	Mar. 1978	This Mo.	Last Mo.	Mar. 1983	Mar. 1982	Mar. 1981	Mar. 1980	Mar. 1979	Mar. 1978
77 Contr's:	386	396	360	554	529	409	295	278	39	45	38	45	33	23	24	15
10 Oil Co's:	38	37	42	43	41	39	37	36	8	8	7	7	7	6	7	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Totals:	424	433	402	597	570	448	332	314	47	53	45	52	40	29	32	20

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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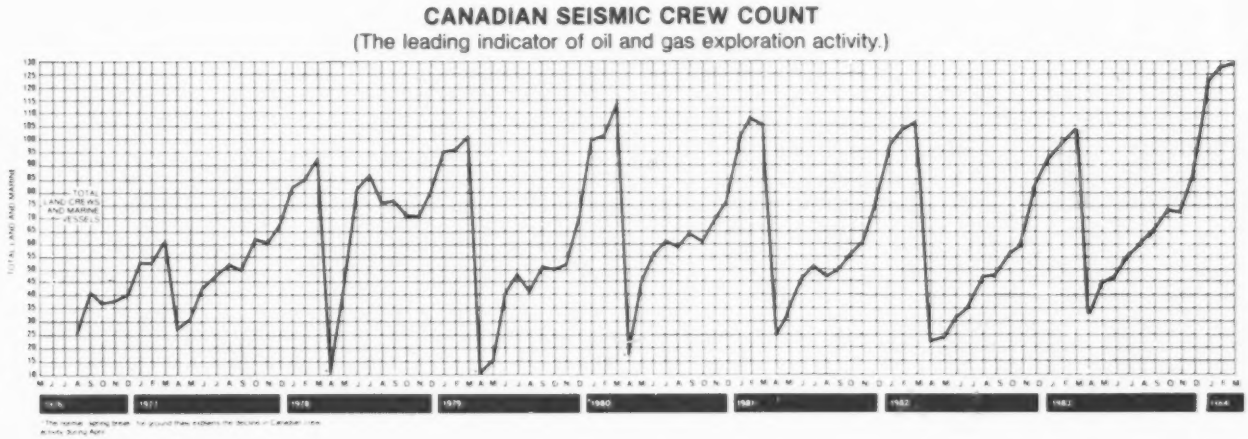
CANADIAN SEISMIC CREW COUNT

March, 1984 (February 1983, figures in parentheses)

	Land Crews	Marine Vessels
31 Contractors:	122 (121)	4 (3)
2 Oil Companies:	3 (3)	0 (0)
Totals:	125 (124)	4 (3)



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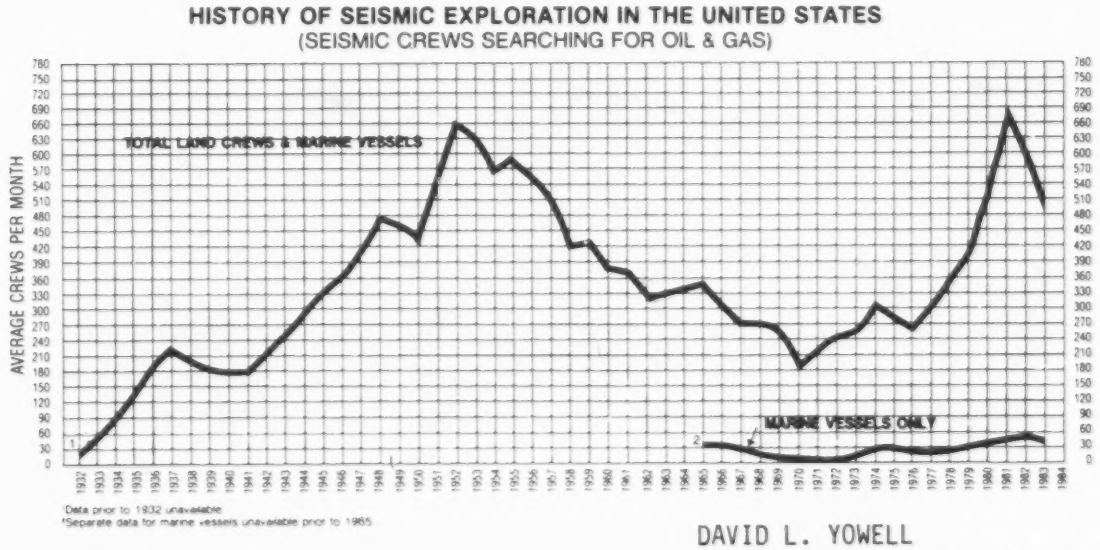

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREWS PER MONTH
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
Data prior to 1932 unavailable
*Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

5/11/84
A 8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

May 9, 1984

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT (Month of April, 1984)

The total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during April was 473, representing an increase of two from the March total of 471 crews. There was a decrease of one land crew, but an increase of three marine vessels for a net increase of two crews.

The April total (473) represents an increase of 1% over last month, a 5% increase over April, 1983, a 24% decrease from April, 1982, a 27% decrease from April, 1981, a 5% decrease from April, 1980, a 31% increase over April, 1979, and a gain of 38% over the same month in 1978.

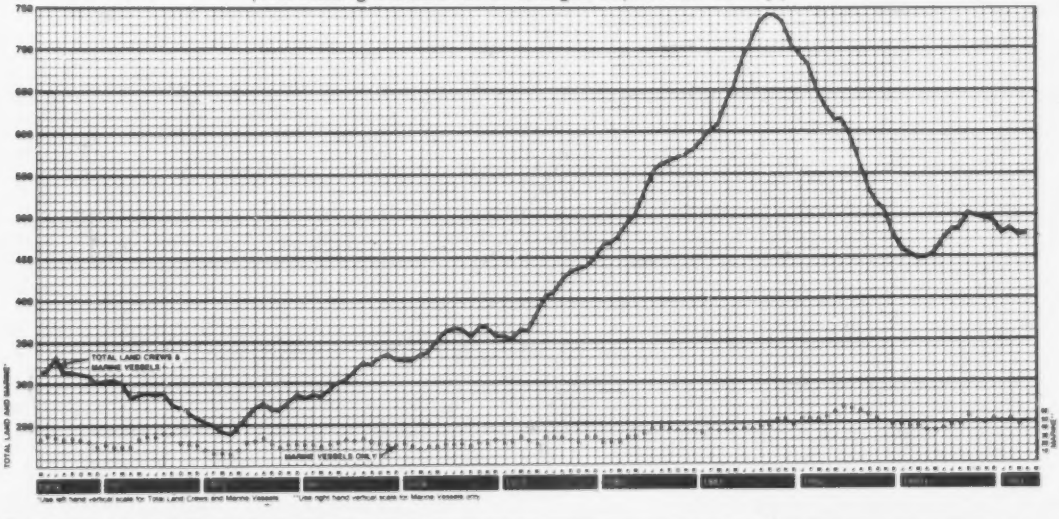
During April, eight contractors were operating twelve of the 385 land crews and six of the forty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Apr.'83	Apr.'82	Apr.'81	Apr.'80	Apr.'79	Apr.'78
	473	471	449	626	645	496	360	342

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Apr. 1983	Apr. 1982	Apr. 1981	Apr. 1980	Apr. 1979	Apr. 1978	This Mo.	Last Mo.	Apr. 1983	Apr. 1982	Apr. 1981	Apr. 1980	Apr. 1979	Apr. 1978
78 Contr's:	385	386	369	528	564	426	293	285	42	39	32	48	32	25	22	16
10 Oil Co's:	38	38	41	43	41	39	37	36	8	8	7	7	7	6	7	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Totals:	423	424	410	571	605	465	330	321	50	47	39	55	40	31	30	21

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



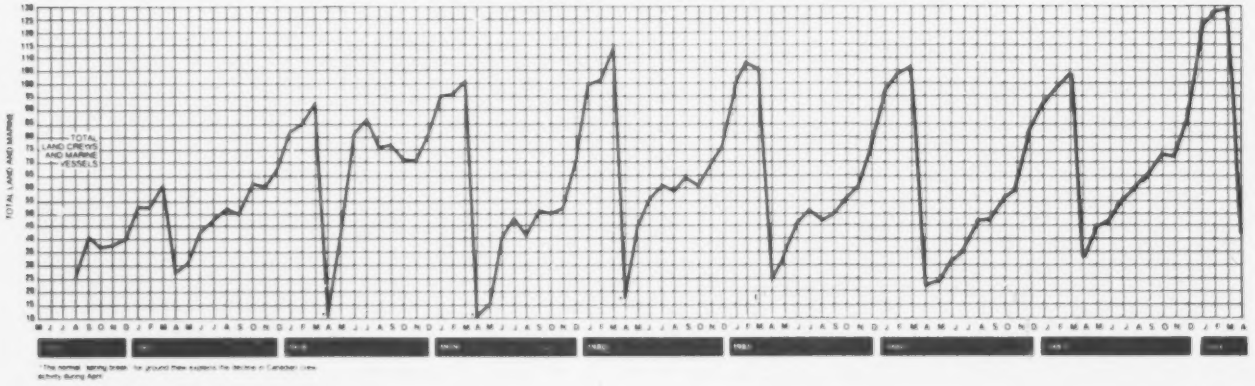
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

April, 1984 (March figures in parentheses)

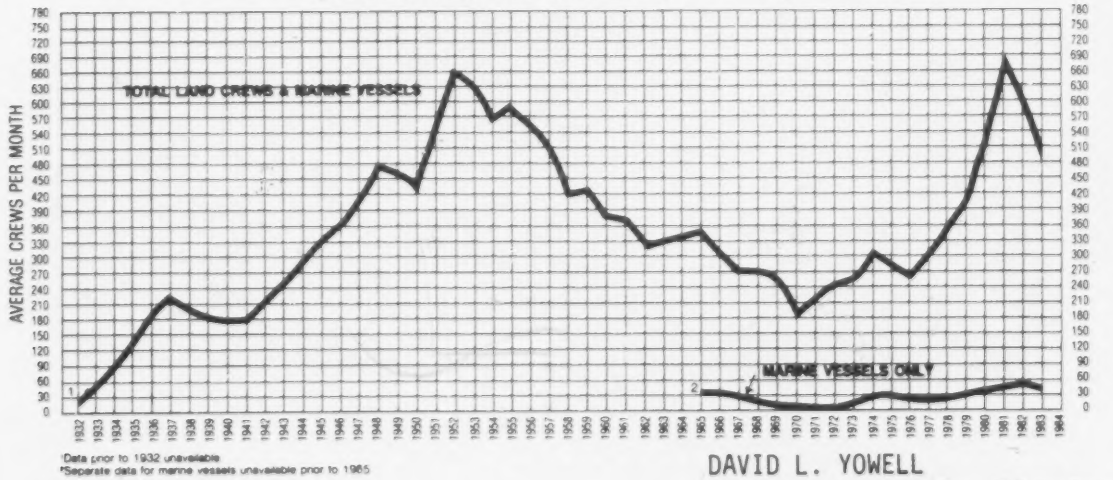
	Land Crews	Marine Vessels
18 Contractors:	39 (122)	3 (4)
0 Oil Companies:	0 (3)	0 (0)
Totals:	39 (125)	3 (4)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed in part by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



[1]Data prior to 1932 unavailable.
[2]Separate data for marine vessels unavailable prior to 1965.

DAVID L. YOWELL
Assistant Executive Director

6/21/84 A 8912-1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE June 8, 1984

MONTHLY SEISMIC CREW COUNT (Month of May, 1984)

During May, the total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters increased by seventeen. According to the Society of Exploration Geophysicists, the May total was 490 crews, compared with 473 in April.

The May total (490) represents an increase of 4% over last month, an 8% increase over May, 1983, a 20% decrease from May, 1982, a 26% decrease from May, 1981, a 2% decrease from May, 1980, a 28% increase over May, 1979, and a gain of 40% over the same month in 1978.

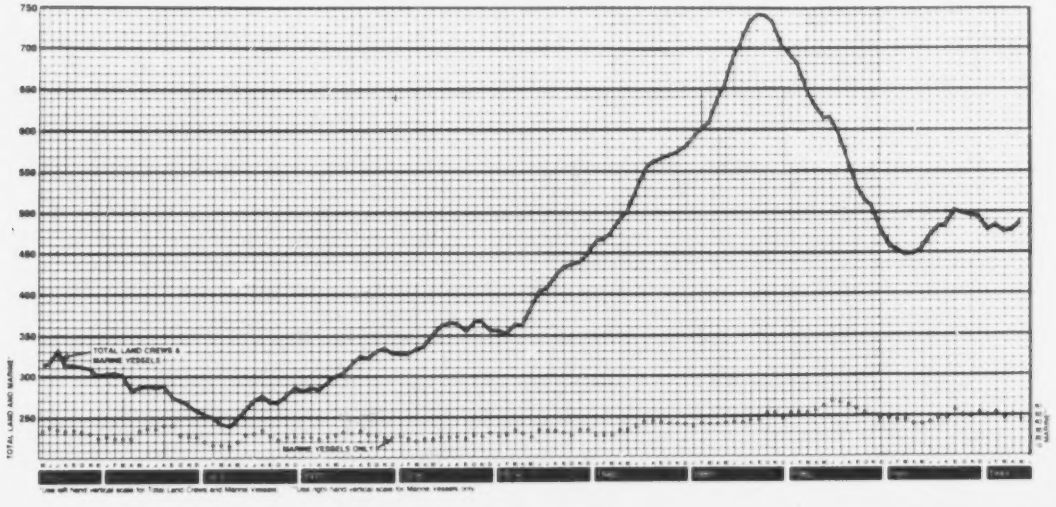
During May, seven contractors were operating sixteen of the 406 land crews and four of the thirty-eight vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	May '83	May '82	May '81	May '80	May '79	May '78
	490	473	455	612	661	502	383	351

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	May 1983	May 1982	May 1981	May 1980	May 1979	May 1978	This Mo.	Last Mo.	May 1983	May 1982	May 1981	May 1980	May 1979	May 1978
80 Contr's:	406	385	375	508	578	429	317	294	38	42	33	53	34	28	21	15
10 Oil Co's:	38	38	41	43	41	39	38	36	8	8	6	8	7	6	6	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Totals:	444	423	416	551	619	468	355	330	46	50	39	61	42	34	28	21

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

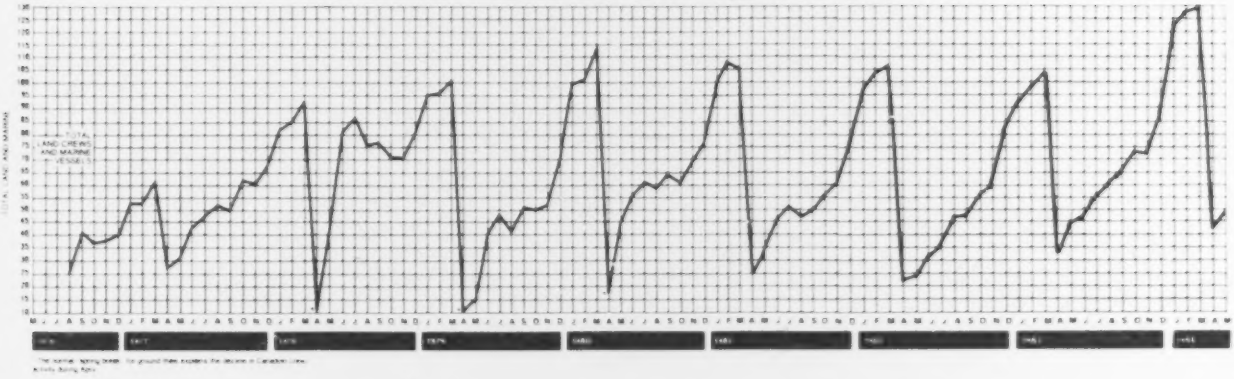
SEG Headquarters Office: Box 3098, Tulsa, Oklahoma 74101, Tel. (918) 743-1365

CANADIAN SEISMIC CREW COUNT

May, 1984 (April figures in parentheses)

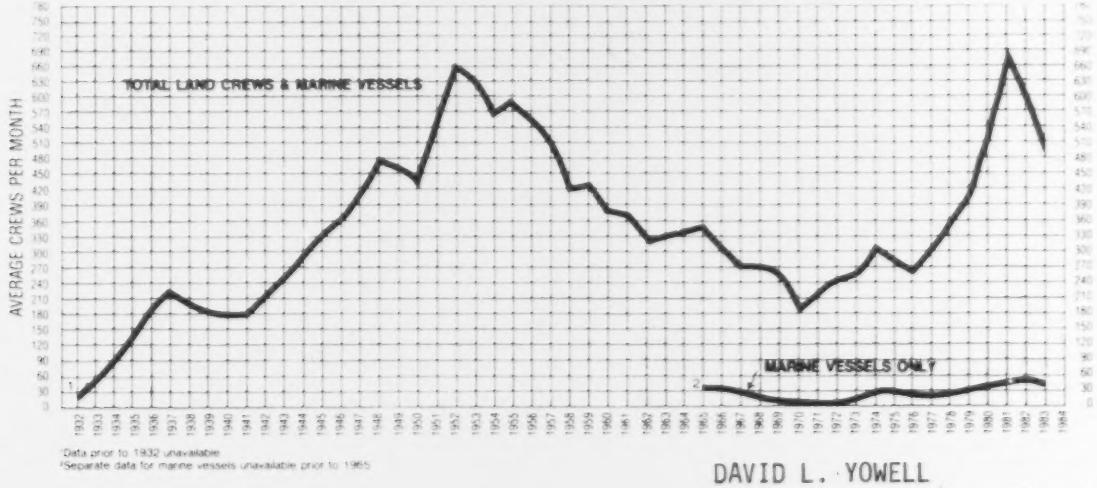
	Land Crews	Marine Vessels
24 Contractors:	48 (39)	1 (3)
0 Oil Companies:	0 (0)	0 (0)
Totals:	48 (39)	1 (3)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed in part by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



Data prior to 1932 unavailable
*Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

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A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

July 5, 1984

Contact: David L. Yowell
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MONTHLY SEISMIC CREW COUNT

(Month of June, 1984)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during June increased by ten crews and vessels over May. The June total was 500, compared with 490 in May.

The June total (500) represents an increase of 2% over last month, a 6% increase over June, 1983, a 19% decrease from June, 1982, a 28% decrease from June, 1981, a 7% decrease from June, 1980 a 24% increase over June, 1979, and a gain of 38% over the same month in 1978.

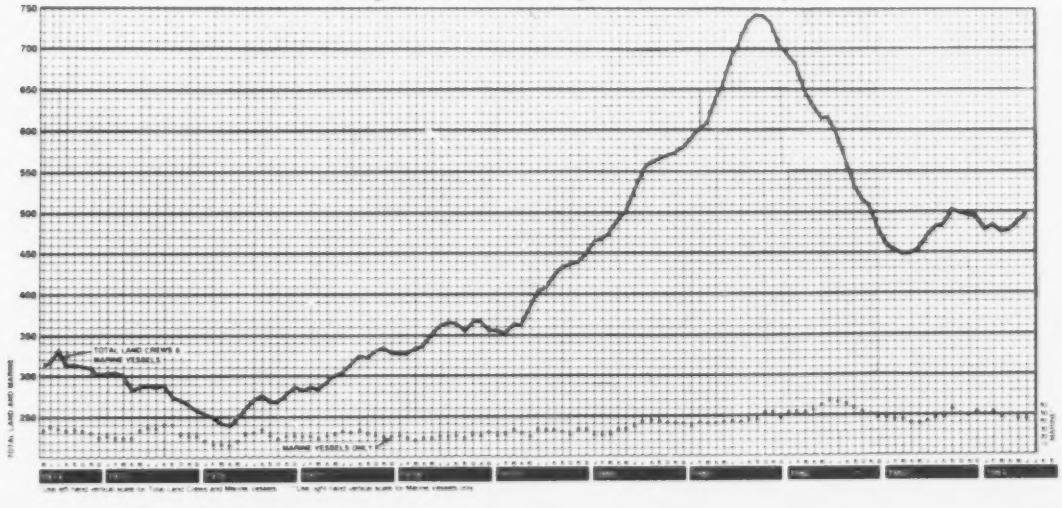
During June, eight contractors were operating fourteen of the 418 land crews and five of the thirty-eight vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	June 83	June 82	June 81	June 80	June 79	June 78
	500	490	471	615	696	535	404	362

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	June 1983	June 1982	June 1981	June 1980	June 1979	June 1978	This Mo.	Last Mo.	June 1983	June 1982	June 1981	June 1980	June 1979	June 1978
80 Contr's:	418	406	387	503	610	457	333	300	38	38	37	62	37	32	26	20
10 Oil Co's:	37	38	41	43	42	39	39	36	7	8	6	7	6	6	5	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
Totals:	455	444	428	546	652	496	372	336	45	46	43	69	44	39	32	26

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



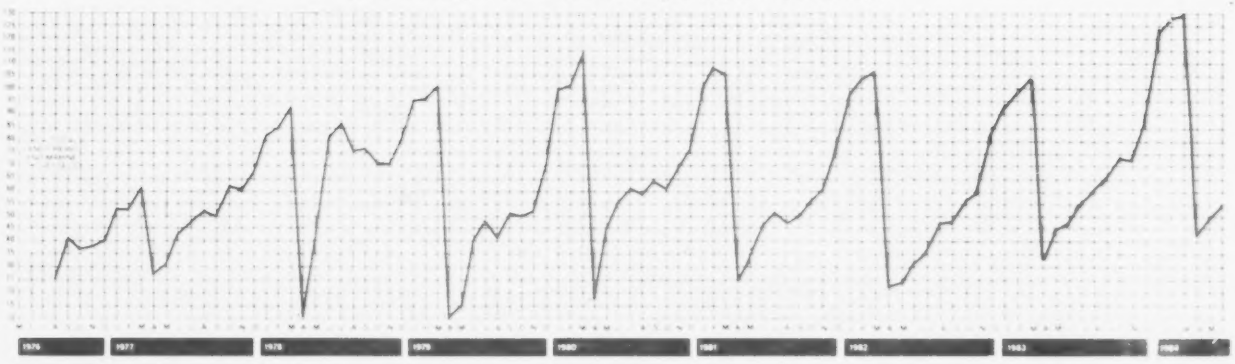
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

June, 1984 (May figures in parentheses)

	Land Crews	Marine Vessels
26 Contractors:	50 (48)	2 (1)
1 Oil Company:	3 (0)	0 (0)
Totals:	53 (48)	2 (1)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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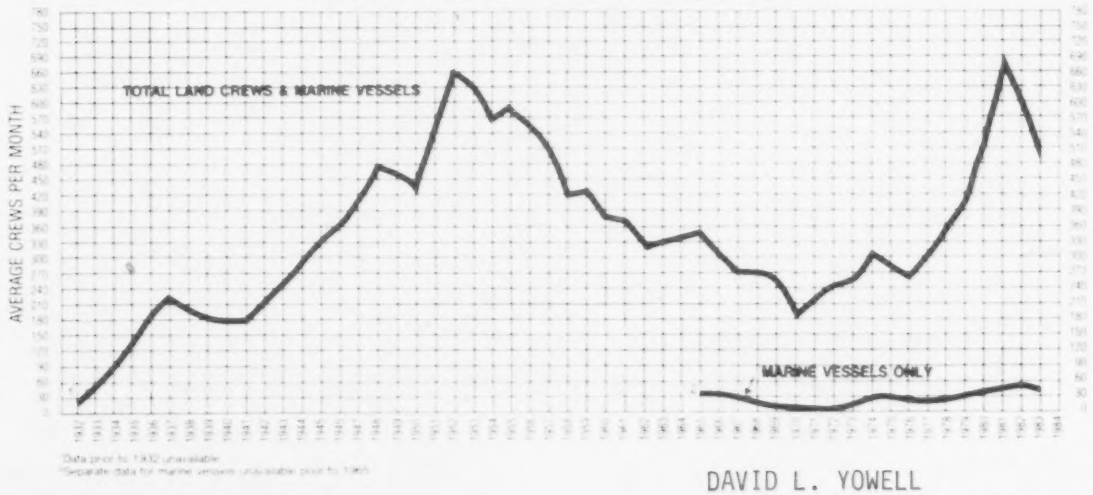
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



Data prior to 1932 unavailable.
*Separate data for marine vessels unavailable prior to 1960.

DAVID L. YOWELL
Assistant Executive Director

A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE August 10, 1984

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT (Month of July, 1984)

The total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters took a dramatic step upward during the month of July, increasing by twenty-nine crews. According to the Society of Exploration Geophysicists' latest monthly report, the July total was 529, up from 500 in June. The twenty-nine crew increase was the largest single monthly increase since June, 1981, when the total increased by thirty-five crews.

The July total (529) represents an increase of 6% over last month, a 10% increase over July, 1983, an 11% decrease from July, 1982, a 26% decrease from July, 1981, a 5% decrease from July, 1980, a 30% increase over July, 1979, and a gain of 44% over the same month in 1978.

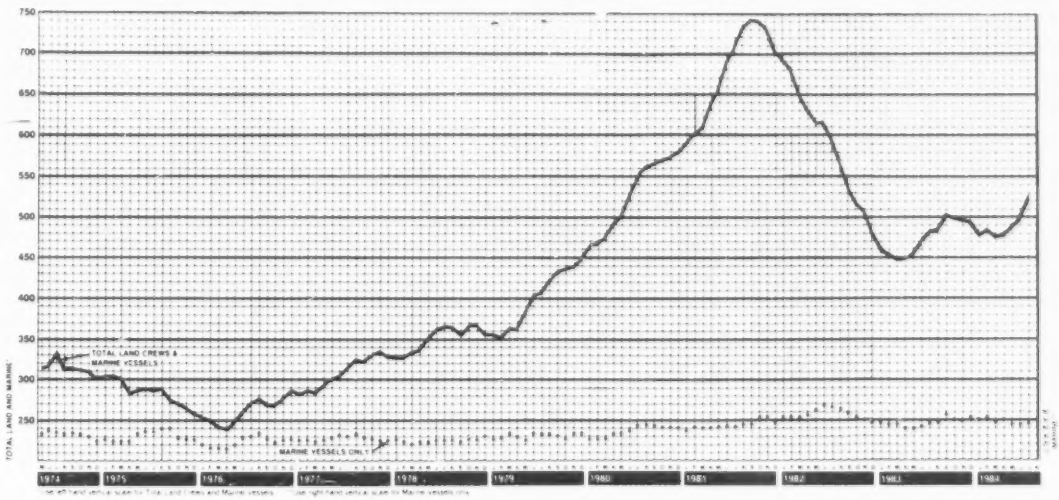
During July, eight contractors were operating thirteen of the 445 land crews and six of the thirty-nine vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	July 83	July 82	July 81	July 80	July 79	July 78
	529	500	483	593	711	556	407	367

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	July 1983	July 1982	July 1981	July 1980	July 1979	July 1978	This Mo.	Last Mo.	July 1983	July 1982	July 1981	July 1980	July 1979	July 1978
84 Contr's:	445	418	397	484	625	475	337	303	39	38	41	58	36	35	26	21
10 Oil Co's:	37	37	40	43	43	39	39	38	7	7	5	7	6	6	4	4
1 Gov't.:	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1
Totals:	482	455	437	527	668	514	376	341	47	45	46	66	43	42	31	26

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity)



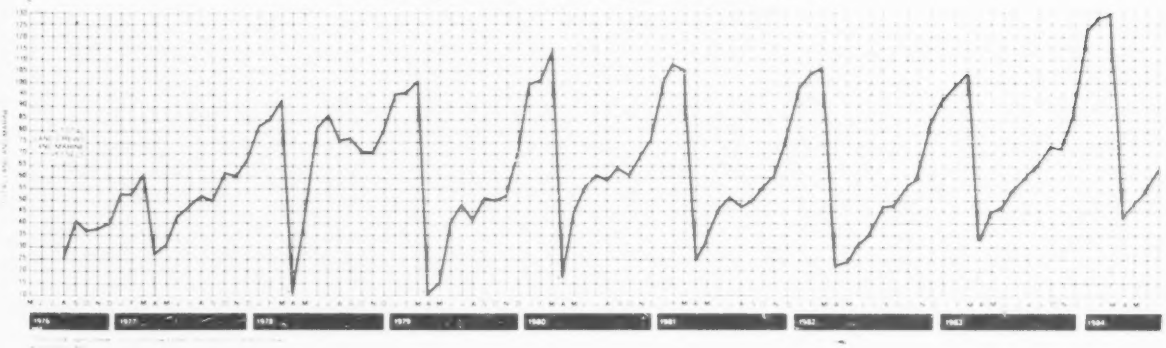
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

July, 1984 (June figures in parentheses)

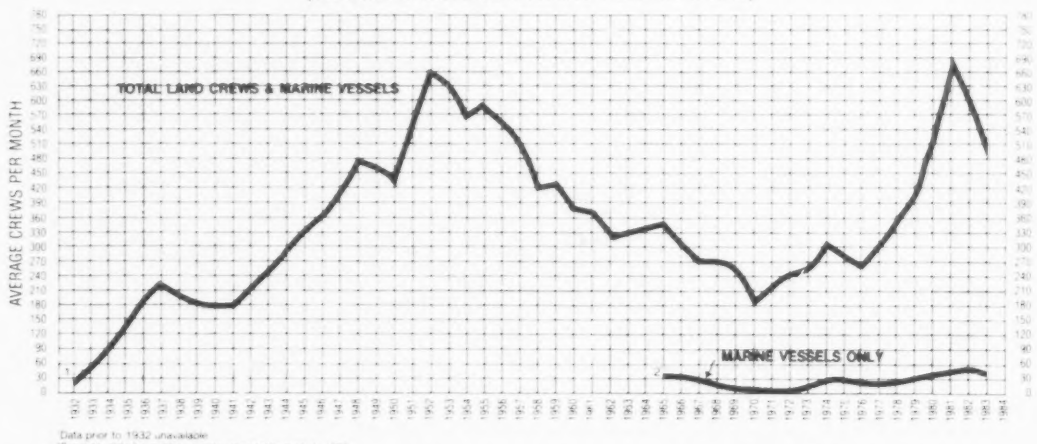
	Land Crews	Marine Vessels
29 Contractors:	52 (50)	7 (2)
2 Oil Companies:	5 (3)	0 (0)
Totals:	57 (53)	7 (2)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed in part by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



Data prior to 1932 unavailable
*Separate data for marine vessels unavailable prior to 1946

DAVID L. YOWELL
Assistant Executive Director

A8912-1

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

September 10, 1984

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT

(Month of August, 1984)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during August decreased by six crews and vessels over July. The August total was 523, compared with 529 in July.

The August total (523) represents a decrease of 1% from last month, an 8% increase over August, 1983, a 7% decrease from August, 1982, a 29% decrease from August, 1981, a 7% decrease from August, 1980, a 23% increase over August, 1979, and a gain of 43% over the same month in 1978.

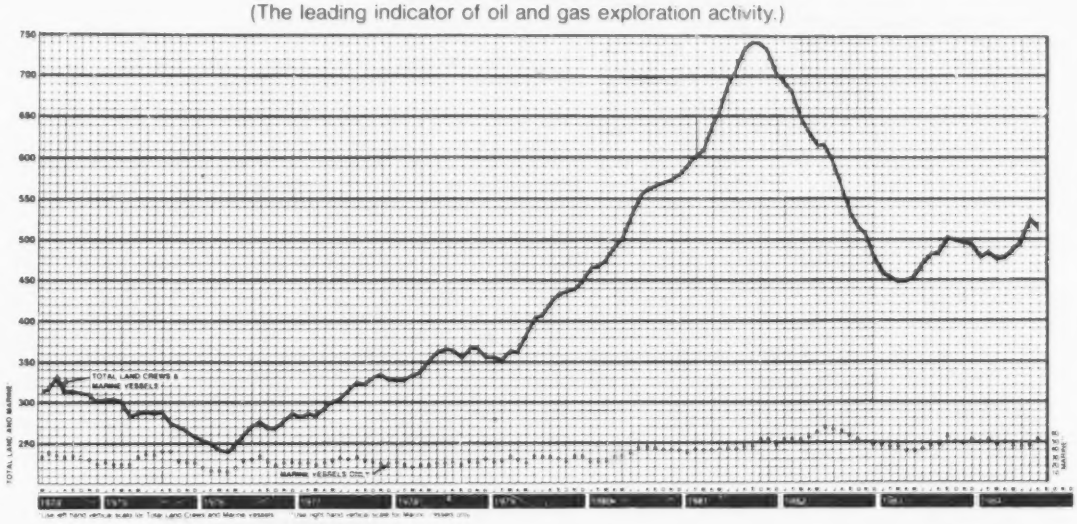
During August, ten contractors were operating sixteen of the 433 land crews and seven of the forty-five vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 523	Last Month 529	Aug. 83 484	Aug. 82 562	Aug. 81 735	Aug. 80 565	Aug. 79 424	Aug. 78 365

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Aug. 1983	Aug. 1982	Aug. 1981	Aug. 1980	Aug. 1979	Aug. 1978	This Mo.	Last Mo.	Aug. 1983	Aug. 1982	Aug. 1981	Aug. 1980	Aug. 1979	Aug. 1978
84 Contr's:	433	445	396	458	646	482	354	301	45	39	43	54	39	36	25	22
10 Oil Co's:	37	37	39	42	43	39	39	37	7	7	6	7	6	7	5	4
1 Gov't.:	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1
Totals:	470	482	435	500	689	521	393	338	53	47	49	62	46	44	31	27

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

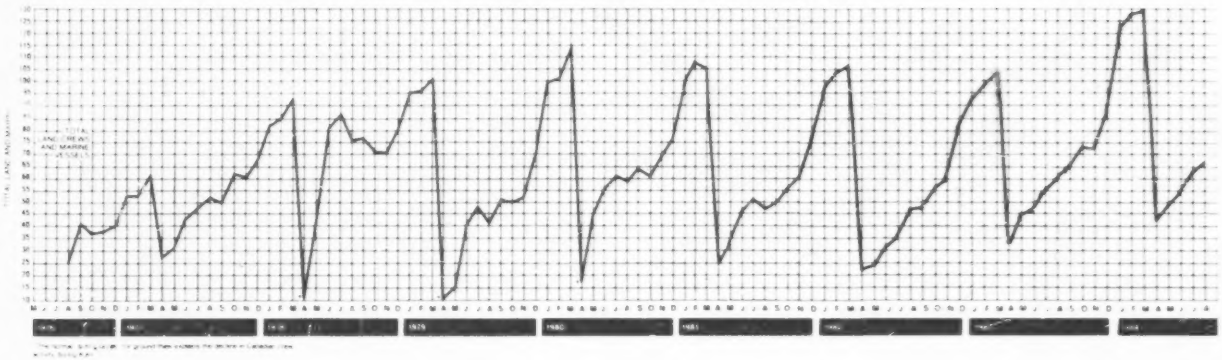
SEG SEISMIC CP OUNT
- 2

AN SEISMIC CREW COUNT

Aug. 984 (July figures in parentheses)

	Land Crews	Marine Vessels
20 Contractors:	55 (52)	9 (7)
2 Oil Companies:	3 (5)	0 (0)
Totals:	58 (57)	9 (7)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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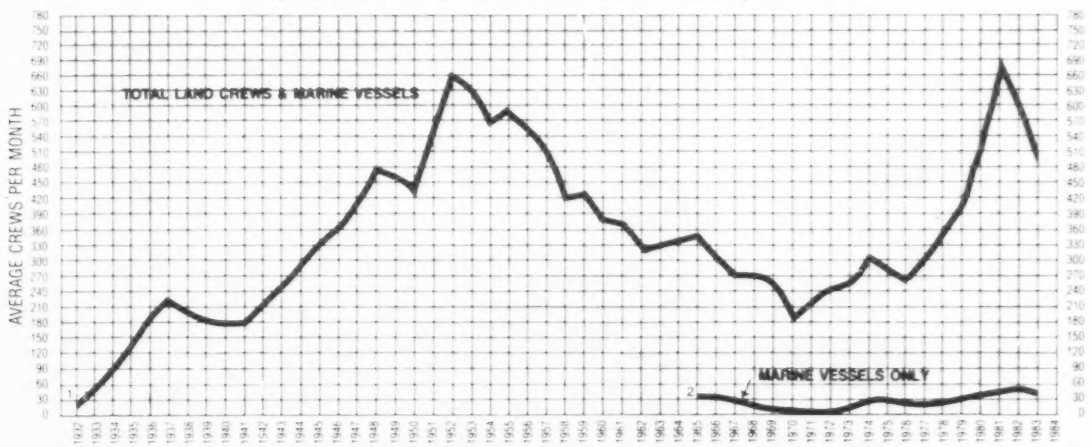
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



[1]Data prior to 1932 unavailable.
[2]Separate data for marine vessels unavailable prior to 1965.

DAVID L. YOWELL
Assistant Executive Director

P8912-1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE October 8, 1984

MONTHLY SEISMIC CREW COUNT

(Month of September, 1984)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during September increased by one crew over August. The land crew total increased by two crews, but the marine vessel total decreased by one, for a net increase of one crew.

The September total (524) represents an increase of less than 1% over last month, a 5% increase over September, 1983, a 2% decrease from September, 1982, a 30% decrease from September, 1981, an 8% decrease from September, 1980, a 21% increase over September, 1979, and a gain of 48% over the same month in 1978.

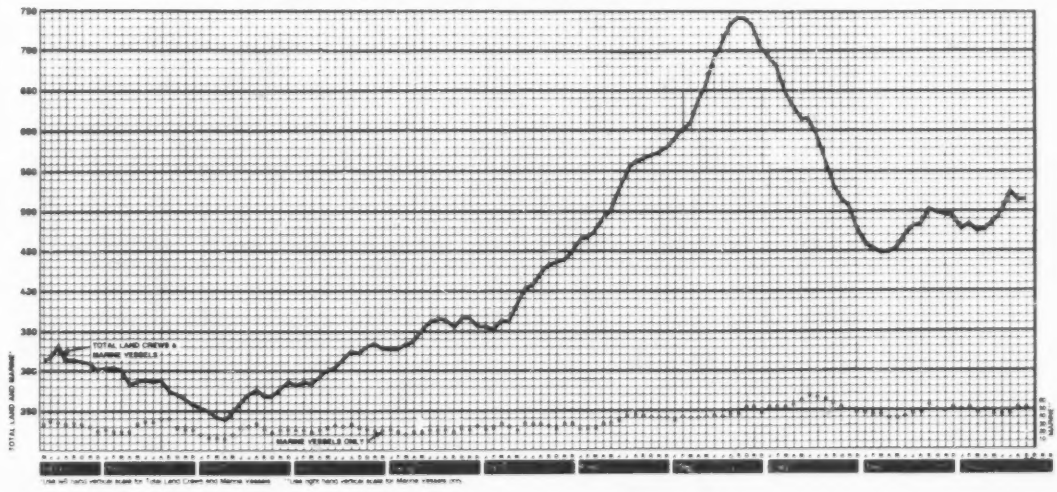
During September, twelve contractors were operating nineteen of the 435 land crews and four of the forty-four vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 524	Last Month 523	Sept'83 501	Sept'82 535	Sept'81 744	Sept'80 567	Sept'79 433	Sept'78 354

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Sept 1983	Sept 1982	Sept 1981	Sept 1980	Sept 1979	Sept 1978	This Mo.	Last Mo.	Sept 1983	Sept 1982	Sept 1981	Sept 1980	Sept 1979	Sept 1978
84 Contr's:	435	433	405	434	654	484	364	297	44	45	49	50	40	36	24	17
10 Oil Co's:	37	37	39	42	43	39	39	36	7	7	7	8	6	7	4	3
1 Gov't.:	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1
Totals:	472	470	444	476	697	523	403	333	52	53	57	59	47	44	30	21

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



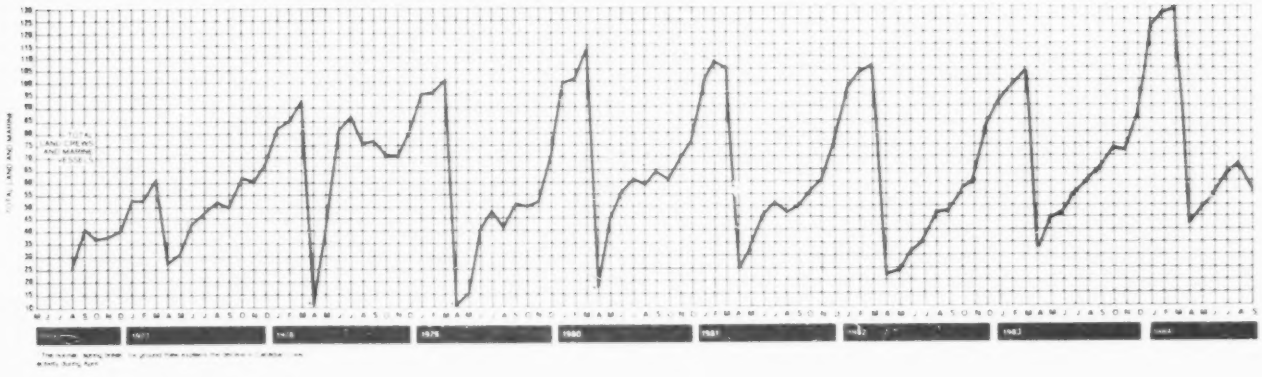
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

September, 1984 (August figures in parentheses)

	Land Crews	Marine Vessels
26 Contractors:	43 (55)	10 (9)
2 Oil Companies:	3 (3)	0 (0)
Totals:	46 (58)	10 (9)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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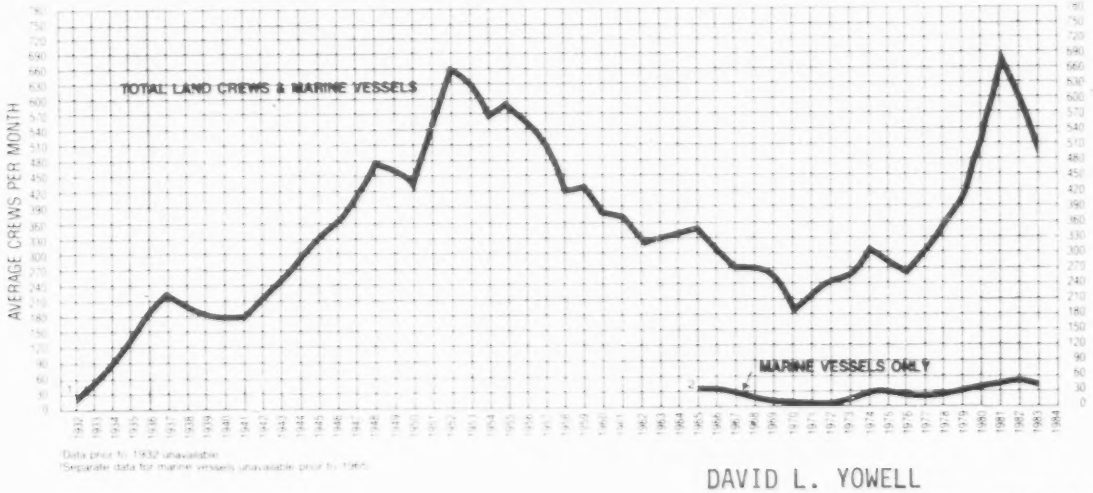
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



DAVID L. YOWELL
Assistant Executive Director